

Title (en)
FLAT PALLET

Publication
EP 0301445 A3 19900523 (DE)

Application
EP 88111904 A 19880723

Priority
DE 3725160 A 19870729

Abstract (en)
[origin: EP0301445A2] The flat pallet (15), in particular for use in high shelving, has an essentially rectangular base surface, comprises upper and lower longitudinal bars (16, 17), in which the upper longitudinal bars are formed by a lower beam (160) and an upper beam which is essentially parallel to said lower beam, and upper transverse bars which extend essentially orthogonally relative to one another, at least four support boxes which are arranged in the corner regions of the flat pallet, serve for mounting the flat pallet (15) and are connected to the longitudinal and transverse bars, and a plurality of lateral lifting openings, of which the lower boundary, facing the bottom of the flat pallet, is formed essentially by a lower longitudinal bar which is constructed in the form of a beam reinforced by a longitudinal web. In this case, the lower longitudinal bar (17) is constructed as a tie beam and the beam (170) of the tie beam is provided in the region of the lifting openings (23, 24, 25, 26), at least in its regions directed towards the corners (150, 151, 152, 153) of the flat pallet (159), via a beam element (171) which is directed at an angle towards the top plate (29) and is connected to the lower beam (160) of the upper longitudinal bar (16) in its end (173) facing the top plate (29) in the region of the support boxes (20). <IMAGE>

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IPC 8 full level
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Citation (search report)
• [X] DE 2130934 A1 19730111 - SCHOELLER ALEXANDER DIPL ING
• [A] DE 8602218 U1 19870122
• [A] DE 3545918 A1 19860828 - KLOWSKI REINHOLD

Cited by
EP0858953A1; PL424263A1; ES2058012A2; BE1009801A3; US6508182B1; EP1025012A4; GB2312415A; FR2747645A1; NL1005834C2; GB2312415B; ES2152767A1; ITMN20090027A1; US9994375B2; WO0166427A1; WO9739956A1; WO2011080788A1; US6874428B2; US7845289B2; US8215244B2

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